



STC Test Report

Date : 2013-04-30

Page 1 of 10

No. : DE109516

Applicant (SZS005) : SHEN ZHEN SCREENTECH LIGHTING CO., LTD
5/F, Bldg A, Qiaohongsheng Industrial Park, Yin Tian
Manufacturing District, xixiang Town, Bao'an Area,
Shenzhen, China

Description of Sample(s) : Submitted sample(s) said to be
Product: flood light
Brand name: S-Tech Lighting
Model No.: FLA-SC050W (2700K)
Electrical rating: 100-240Va.c. 50/60Hz
Quantity submitted: 1 piece
Country of origin: Shen Zhen(China)
Country of destination: Not provided
Manufacturer : SHEN ZHEN SCREENTECH LIGHTING
CO., LTD

Date Sample(s) Received : 2013-04-17

Date Tested : 2013-04-17

Investigation Requested : Photometric Measurements

Test Method : Referred to IES LM-79-08 Electrical And Photometric
Measurements of Solid-State Lighting Products.

Conclusion(s) : See the test data in following pages

Remark(s) : Testing voltage and frequency: 240V~ 50Hz



LI Chuan Lin Ricky
Authorized Signatory
Electrical Safety Department
For and on behalf of

STC (Dongguan) Company Limited
STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, Guangdong, China (Zip Code: 523770)
TEL: (86)400 886 8338 FAX: (86 769)8111 6222 Email: dgstc@dgstc.org Website: www.dgstc.org

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TEST DATA

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		407.5 cd per klm.
		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	131.9V x 124.8H
	At 50% of Imax	107.3V x 103.4H
	At 90% of Imax	52.5V x 66.4H
Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	987.7 lumens per klm.
	To 50% of Imax	861.6 lumens per klm.
	To 90% of Imax	364.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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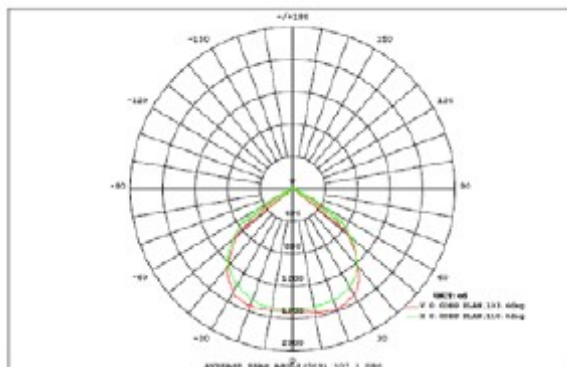
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No. : DE109516

TEST DATA

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.31x1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: Shenzhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--



DATA OF LAMP		Eff:73.72lm/W	
MODEL	--	Imax(cd)	1585
NOMINAL POWER(W)	50	AVAILABILITY(%)	98.7
RATED VOLTAGE(V)	100-240	Avai. FLUX(lm)	3841
NOMINAL FLUX(lm)	3890.31	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3890
TEST VOLTAGE(V)	240.1	θ @50%(H,V)	103,107DE

		AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
VERTICAL (DEG)	90	0.00	0.01	0.02	0.05	0.06	0.05	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.43	0.00		
	80	0.00	0.01	0.03	0.08	0.14	0.17	0.21	0.24	0.27	0.27	0.24	0.20	0.13	0.09	0.05	0.02	0.01	0.00	2.16	0.00		
	70	0.00	0.01	0.06	0.19	0.73	2.67	5.27	6.30	6.77	6.79	6.32	5.26	2.54	0.62	0.18	0.06	0.02	0.00	43.8	33.9		
	60	0.00	0.02	0.13	0.63	4.69	12.5	18.5	21.2	22.4	22.6	21.4	18.6	12.3	4.51	0.58	0.13	0.03	0.00	160	157		
	50	0.00	0.03	0.25	2.29	11.0	21.2	28.4	31.8	33.0	33.4	32.4	28.7	21.1	10.7	2.22	0.26	0.04	0.00	257	254		
	40	0.00	0.05	0.44	5.05	16.2	27.0	35.1	38.7	39.9	40.3	39.4	35.2	26.9	15.9	5.01	0.46	0.06	0.00	326	324		
	30	0.00	0.07	0.76	7.60	19.6	30.6	38.4	42.1	43.1	43.4	42.4	38.4	30.3	19.4	7.46	0.82	0.08	0.00	365	363		
	20	0.00	0.09	1.21	9.52	21.7	32.6	40.4	43.7	44.5	44.6	43.9	40.3	32.4	21.5	9.37	1.20	0.09	0.00	387	386		
	10	0.00	0.10	1.44	10.6	22.8	33.7	41.2	44.4	45.2	44.8	44.2	41.3	34.0	22.8	10.5	1.40	0.10	0.01	398	397		
	0	0.00	0.10	1.41	10.5	22.7	33.6	40.9	43.6	44.8	45.9	45.4	42.0	34.4	23.1	10.6	1.39	0.10	0.01	400	399		
	-10	0.00	0.09	1.14	9.21	21.3	32.1	39.5	43.0	44.5	45.0	44.1	40.9	33.2	22.1	9.71	1.16	0.09	0.00	387	386		
	-20	0.00	0.07	0.71	7.15	19.0	29.8	37.5	41.2	42.7	43.0	42.2	38.7	30.9	20.0	7.80	0.74	0.08	0.00	362	360		
	-30	0.00	0.05	0.41	4.70	15.5	26.3	34.3	38.2	39.4	40.1	39.2	35.4	27.6	16.6	5.19	0.44	0.06	0.00	323	322		
	-40	0.00	0.03	0.24	2.12	10.5	20.9	28.7	32.6	33.7	33.9	32.9	29.4	22.0	11.3	2.47	0.28	0.04	0.00	261	259		
	-50	0.00	0.02	0.12	0.62	4.61	12.6	19.2	22.3	23.4	23.0	21.4	19.0	13.0	5.04	0.77	0.15	0.03	0.00	165	162		
	-60	0.00	0.01	0.04	0.18	0.78	3.10	6.38	7.69	7.70	6.96	6.13	5.78	3.07	0.85	0.22	0.07	0.02	0.00	49.0	38.7		
-70	0.00	0.00	0.01	0.04	0.10	0.18	0.28	0.36	0.37	0.37	0.40	0.32	0.21	0.14	0.07	0.03	0.01	0.00	2.90	0.00			
-80	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.40	0.00			
-90	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.01	0.01	0.00	0.00	0.40	0.00			
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	0.04	0.74	8.42	70.5	191	319	414	458	472	474	462	419	324	195	72.2	8.63	0.85	0.05	3890	---			
Φ a	0.00	0.00	2.84	65.7	188	316	412	455	469	472	459	417	321	191	67.7	3.20	0.00	0.00	---	3841			

one-half-peak spread: U:35.8,D:42.4 , L:23.9,R:2NEMA Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.67lm [K=1.0000]
Remarks: CCT:2700K

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Date : 2013-04-30

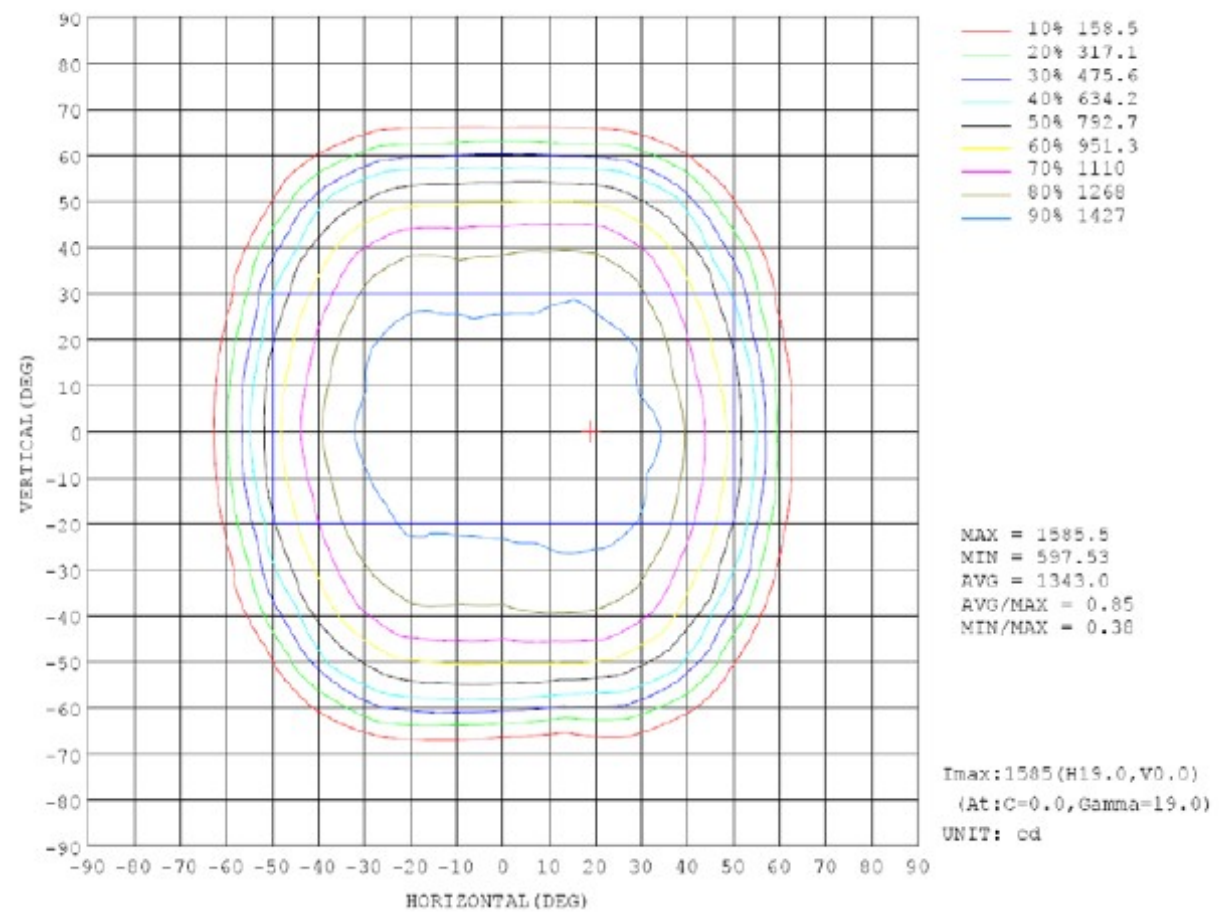
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No. : DE109516

TEST DATA

ISOCANDELA DIAGRAM

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.3lx1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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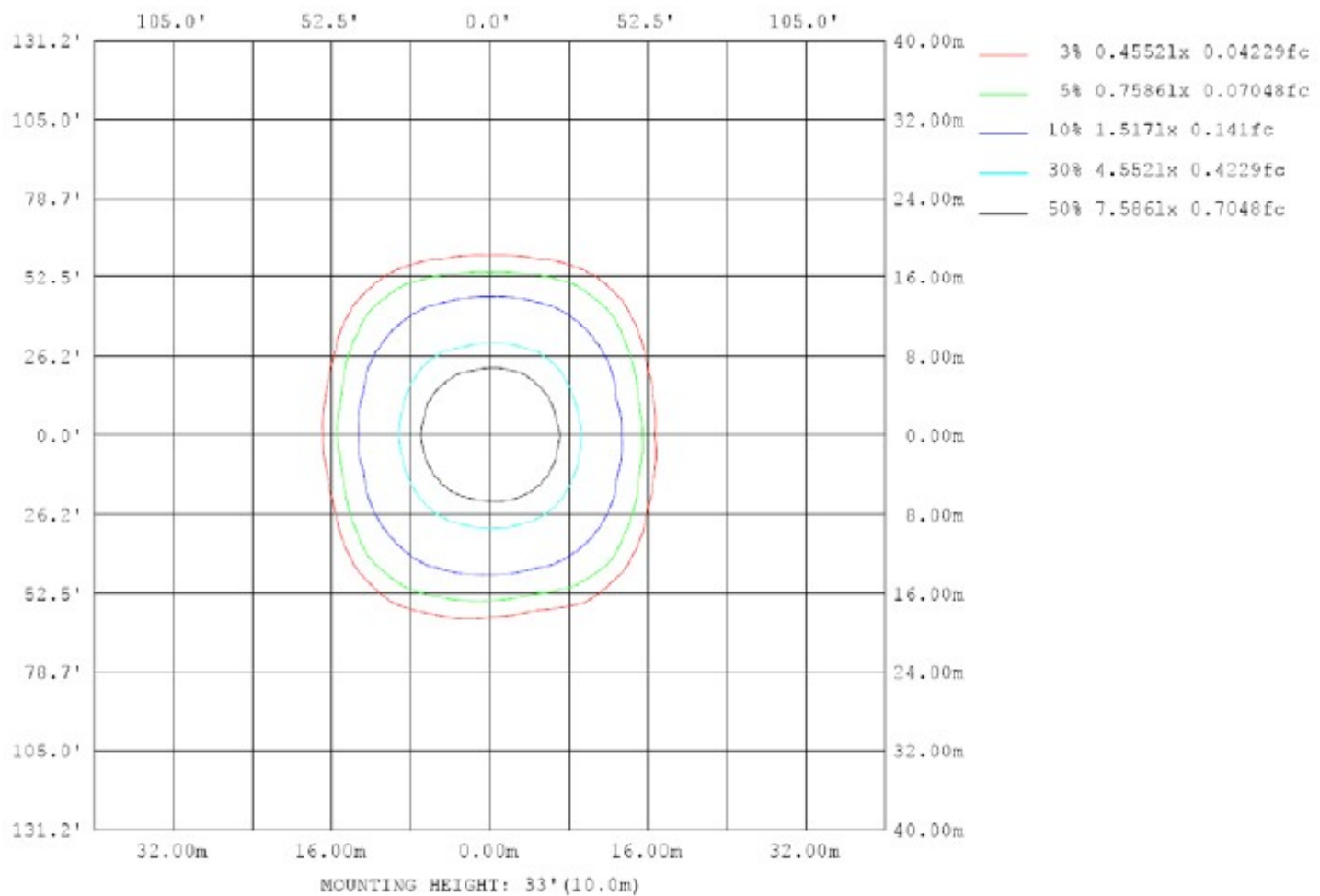
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No. : DE109516

TEST DATA

ISOLUX DIAGRAM

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.31x1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: Shenzhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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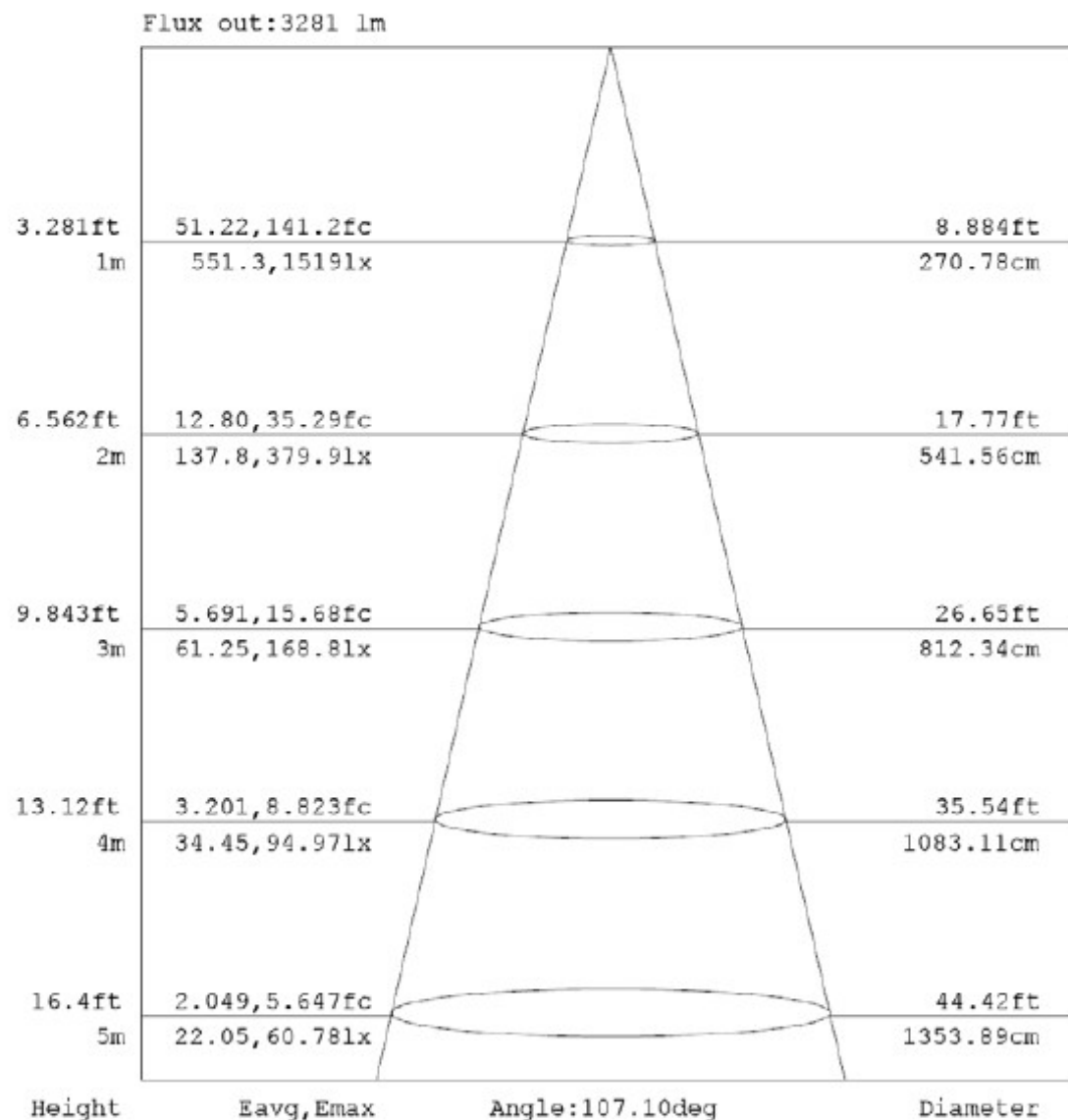
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No. : DE109516

TEST DATA

AAI Figure

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.31x1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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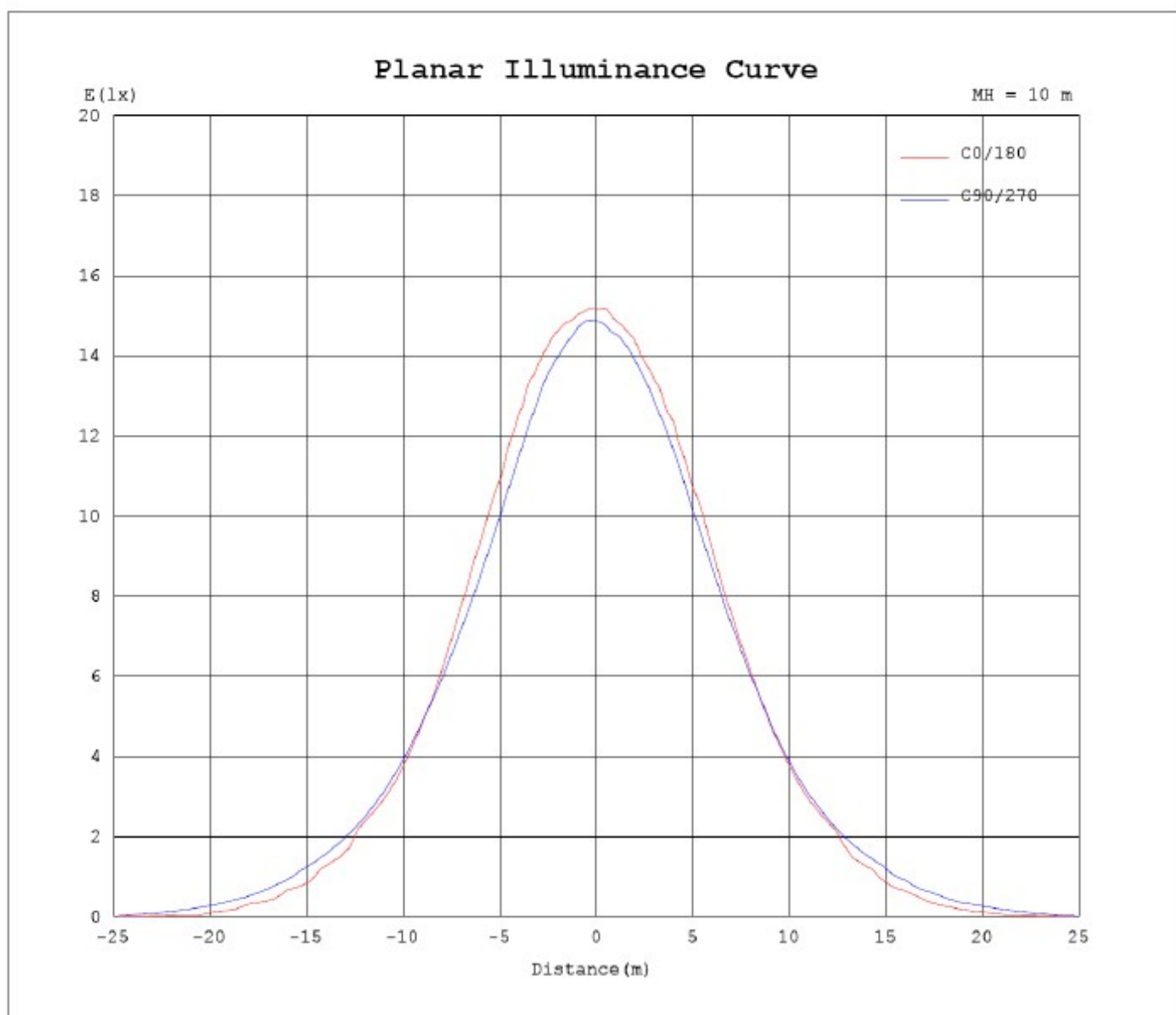
Date : 2013-04-30

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TEST DATA

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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Date : 2013-04-30

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No. : DE109516

TEST DATA

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.3lx1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.31	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-170	0.31	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-160	0.31	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-150	0.31	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-140	0.31	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-130	0.31	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-120	0.31	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
-110	0.31	0.07	0.01	0.00	0.01	0.02	0.03	0.04	0.05	0.08	0.10	0.11	0.11	0.08	0.04	0.01	0.04	0.07	0.11
-100	0.31	0.17	0.06	0.01	0.01	0.01	0.01	0.02	0.05	0.09	0.10	0.11	0.10	0.07	0.04	0.01	0.07	0.14	0.21
-90	0.31	0.26	0.20	0.15	0.12	0.09	0.06	0.09	0.12	0.15	0.19	0.22	0.25	0.29	0.33	0.37	0.45	0.53	0.61
-80	0.31	0.30	0.30	0.32	0.38	0.46	0.57	0.83	1.19	1.61	2.00	2.35	2.68	2.99	3.27	3.47	3.61	3.70	3.73
-70	0.31	0.35	0.47	0.70	1.12	1.80	2.85	4.57	7.04	9.61	12.1	15.3	23.7	40.9	48.9	50.9	48.3	38.5	24.4
-60	0.31	0.41	0.73	1.37	2.54	5.02	9.82	17.2	32.8	87.4	184	291	397	478	506	513	528	529	508
-50	0.31	0.49	1.07	2.32	5.18	11.8	24.8	43.1	156	342	552	705	806	903	937	956	965	967	956
-40	0.31	0.58	1.46	3.61	9.49	23.3	45.1	189	372	602	824	968	1093	1174	1219	1229	1228	1230	1227
-30	0.31	0.67	1.87	5.43	15.5	33.8	111	311	580	825	975	1135	1248	1311	1343	1356	1356	1358	1365
-20	0.31	0.74	2.21	7.24	22.4	42.5	200	439	714	940	1107	1259	1354	1407	1445	1444	1442	1452	1455
-10	0.31	0.78	2.42	8.60	26.8	48.9	265	575	873	1022	1187	1336	1410	1455	1480	1472	1462	1473	1482
0	0.31	0.81	2.49	9.06	28.5	50.5	284	628	903	1063	1238	1374	1469	1514	1521	1523	1520	1512	1517
10	0.31	0.81	2.46	8.74	27.2	53.4	275	587	883	1034	1202	1334	1421	1476	1508	1500	1484	1481	1475
20	0.31	0.79	2.28	7.54	23.3	44.6	237	462	761	961	1135	1287	1395	1453	1477	1475	1451	1446	1461
30	0.31	0.74	1.97	5.73	16.4	33.2	121	344	631	851	1008	1174	1283	1344	1374	1400	1382	1381	1388
40	0.31	0.68	1.61	3.88	10.2	25.1	51.1	186	392	618	844	988	1106	1174	1219	1229	1219	1233	1241
50	0.31	0.62	1.26	2.56	5.77	12.7	24.9	36.4	163	350	578	710	799	876	914	924	929	940	937
60	0.31	0.56	0.97	1.68	3.15	6.06	11.0	17.6	32.1	85.4	173	271	359	428	457	458	471	486	485
70	0.31	0.51	0.76	1.10	1.92	3.10	4.72	6.47	8.40	10.2	11.3	11.9	15.9	26.7	26.5	24.4	30.3	32.0	29.4
80	0.31	0.47	0.64	0.81	1.39	1.95	2.53	3.06	3.71	4.61	4.13	3.40	2.59	2.63	2.72	2.76	2.79	2.79	2.76
90	0.31	0.41	0.51	0.61	1.07	1.52	1.98	2.09	2.20	2.32	1.75	1.19	0.62	0.49	0.36	0.23	0.21	0.19	0.18
100	0.31	0.23	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
110	0.31	0.08	0.01	0.01	0.01	0.21	0.18	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
120	0.31	0.02	0.01	0.14	0.12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
130	0.31	0.01	0.01	0.11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
140	0.31	0.01	0.10	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150	0.31	0.01	0.10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
160	0.31	0.01	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
170	0.31	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
180	0.31	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

STC (Dongguan) Company Limited

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TEST DATA

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.1V I:0.2399A P:52.77W PF:0.9160 Lamp Flux:3890.3lx1 lm		
NAME: LED flood light	TYPE:--	WEIGHT:--
DIM.: 253*194*95mm	SPEC.:FLA-SC050W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:180mm	PROTECTION ANGLE:--

Table--2

UNIT: cd

H(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.07	
-170	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.07	
-160	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.07	
-150	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.07	
-140	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	
-130	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	
-120	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.07	
-110	0.07	0.04	0.01	0.03	0.06	0.08	0.07	0.05	0.04	0.03	0.04	0.04	0.03	0.00	0.00	0.00	0.04	0.07	
-100	0.14	0.08	0.01	0.06	0.12	0.16	0.14	0.12	0.09	0.03	0.01	0.01	0.00	0.00	0.02	0.04	0.06	0.07	
-90	0.63	0.66	0.69	0.58	0.48	0.38	0.36	0.34	0.32	0.27	0.22	0.17	0.15	0.13	0.12	0.10	0.08	0.07	
-80	3.91	4.00	3.98	3.77	3.50	3.27	3.13	2.89	2.54	2.17	1.85	1.54	1.16	0.89	0.64	0.30	0.12	0.07	
-70	30.4	34.1	36.2	43.2	41.1	25.2	17.6	13.9	11.5	9.13	6.73	4.76	3.32	2.26	1.49	0.87	0.25	0.07	
-60	497	475	462	461	449	393	286	194	89.6	37.4	19.7	12.0	7.19	4.11	2.45	1.35	0.49	0.07	
-50	965	961	962	951	915	824	732	599	360	176	68.1	26.1	14.3	7.21	3.63	1.85	0.73	0.07	
-40	1248	1257	1254	1248	1202	1134	1024	873	635	401	200	58.3	25.3	11.7	5.18	2.36	0.91	0.07	
-30	1373	1381	1393	1383	1353	1294	1182	1032	869	640	348	119	34.1	17.7	6.94	2.82	1.04	0.07	
-20	1456	1460	1474	1491	1449	1408	1300	1154	985	771	478	217	40.1	22.6	8.62	3.19	1.14	0.07	
-10	1497	1512	1527	1537	1501	1447	1358	1225	1051	897	591	293	48.6	26.1	9.60	3.39	1.19	0.07	
0	1524	1544	1567	1584	1550	1499	1411	1245	1067	914	635	296	50.1	27.0	9.70	3.41	1.20	0.07	
10	1471	1483	1494	1501	1475	1409	1326	1193	1024	882	577	286	61.0	25.8	9.54	3.38	1.19	0.07	
20	1452	1468	1478	1470	1443	1394	1276	1118	951	721	457	225	47.2	22.3	8.61	3.16	1.13	0.07	
30	1395	1402	1415	1388	1353	1279	1159	995	843	598	325	135	33.2	17.4	6.96	2.79	1.03	0.07	
40	1249	1247	1249	1233	1184	1105	988	836	614	387	185	43.3	24.5	11.3	5.08	2.32	0.89	0.07	
50	948	946	942	927	887	802	708	551	348	167	34.3	24.3	13.4	7.13	3.54	1.80	0.71	0.07	
60	487	475	461	460	427	358	277	162	70.0	28.6	16.9	10.5	6.40	3.85	2.37	1.29	0.46	0.07	
70	32.4	31.1	25.6	27.6	27.3	15.6	10.7	9.35	8.10	6.68	5.26	3.91	2.85	2.05	1.39	0.81	0.23	0.07	
80	2.63	2.45	2.24	2.16	2.02	1.87	1.85	1.79	1.65	1.52	1.37	1.21	0.98	0.78	0.56	0.26	0.10	0.07	
90	0.15	0.12	0.09	0.10	0.11	0.13	0.11	0.10	0.09	0.09	0.08	0.08	0.07	0.06	0.06	0.06	0.06	0.07	
100	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.05	0.07	
110	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.07	
120	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	
130	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	
140	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	
150	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.07	
160	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.07	
170	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.07	
180	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.07	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(β) Range:-180 - 180DEG
V(β) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:2.671m [K=1.0000]
Remarks: CCT:2700K

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Product Photographs



******* End of Test Report *******

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